



AMENDMENTS TO THE SPECIFICATION

Please insert the following paragraphs after the paragraph which ends on line 3, page 19:

The nucleotide sequence (SEQ ID NO:185) having GenBank accession number L32836
(Mus musculus) is:

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1 ccagcatgtc tgataaaactg ccctacaaag tcgcggacat cggactggcc gcctgggac
61 ggaaggctct ggatatagct gagaatgaga tgccaggatt gatgcgcacat cggagatgt
121 actcagccctc caagccactg aagggtgctc gcattgctgg ctgcctgcac atgaccgtgg
181 agactgctgt tctcatttagt actctcgtagt ccctgggtgc tgaggtgcgg tggccatgt
241 gcaacatctt ctctactcag gaccatgcag cggctgcacat tgccaaggct ggcattccag
301 tgtttgccctg gaaggccgag acagatgagg agtacatgtg gtgcatttagt cagacgctgc
361 acttcaagga cggacccctc aacatgattc tggatgatgg tggacatctt actaacatca
421 tccacaccaa atacccacag cttctgtcag gcacatccgagg tatctctgag gagaccacga
481 ctggggtcca caacatctac aagatgatgt ccaatggat actgaacgtg ctcgcacatca
541 atgtcaacga ttctgtcacc aagagcaagt ttgacaacatctt ctatggctgc cgggagtccc
601 tcatagatgg catcaaacgg gccacagatg tgatgattgc gggcaaggtg gcgggtgg
661 caggctatgg tgatgtggc aagggtgtg cccaggccctt gagggtttt ggggccccgag
721 tcatacatcac cgagatcgtc cccatcaatg cactgcaagc tgccatggag ggctatgagg
781 taaccactat ggacgaagcc tgtaaggagg gcaacatctt tgtcaccacc acaggctgtg
841 tggatatcat ccttggccgg cactttgagc agatgaagga tgacgcccatt gtctgtaa
901 ttggacactt cgatgtggag attgatgtga agtggctcaa tgagaacgcg gtggagaaag
961 tgaacatcaa gccccaggtg gaccgctact ggctaaagaa tgggcgcgc atcatcttgc
1021 tggctgaagg ccgtctggtc aacctgggtt gtgcctatggg acaccccagc ttcgtatga
1081 gcaactccctt cacaaccagg gtgatggcac agattgagct gtggacccac ccagataaat
1141 accctgttgg ggttacttc ctgcctaaga agctggatga ggcgggtggctt gaagccacc
1201 tgggcaagct gaatgtgaag ctgaccaagc tgactgagaa gcaagccag tacctggca
1261 tgcccatcaa cggcccccattc aagcctgatc actaccgcta ctgagagctg gggctgtcct
1321 tcaccttcca gctgccatcc aagttccggg cccacctctc gtcccccaaga gccaatgtca
1381 ccaactttgt ggttagtttgc cctgtgttct gatccgtccc cccggggccca tcctcactgt
1441 ggctggtcac tccgtctttg gcctctgctg caccctcat actgttccat atgtggcatc
1501 gagaacacagag agaggtacat ggtaggcattt cacagggac atgatctcag aagtcttgg
1561 agtcctgagg ctggatgttgc ctgtgtatgg tcacaagcca tgcacccat cattgataacc
1621 ctcacttggc tttagatct gtgtgcctgg tttgcagatc cattggtttgc tcagtccagg
1681 acccaagaac gagctccacc aaagagcagg aaccccttgg gtttgaaggc ccccgagagc
1741 tggcccttt tactgttggg cagtcttta aacccatgtt tactgatgttgc tttttttttt
1801 tggcccttat ttcacaagggtt ttcaggatag attaaccaag aaaggacaag tgacagactg
1861 aaaggccgtg gaaaacaaga gaaaggccct gtcactgtat agttgtatggt tcctgtcaca
1921 agcccaggtc acaaacagat taatttggg tataatgttt atatgttatt tagaatgtt
1981 acaaaggaaag gtggataaaaa tacagtttct actgcctaaa gaattttggc tctattaaaa
2041 tgtaagtgtg tggctgg

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The nucleotide sequence (SEQ ID NO:186) having GenBank accession number M15185
(Rat) is:

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1 ctcactctag cggaacttcgc cagcatggct gataaaactgc cctacaaaagt cgcggacatt
61 ggactggctg cctggggacg gaaggccctg gacatagctg agaacgagat gccaggttg
121 atgcgcatgc gggagatgta ctcagcetcc aagccactga agggcgctcg cattgctg
181 tgcctgcaca tgactgtgga gactgctgtc ctcattgaga ctctcgatggc cctgggtg
241 gaggtgcggg ggtccagctg caacatcttcc tcactcagg accatgcagc ggctgccatt
301 gccaaggctg gcattccagt gtttgcctgg aaggagaga cggatgaaga gtacctgtgg
361 tgcattgagc agacgttgca cttcaaggac ggaccctca acatgattct gatgtatggc
421 ggtgaccta ctaacctcat ccacacaaa cacccacagc ttctgtcagg catccgaggt
481 atctctgagg agaccacgac tggcgccac aacctctaca agatgtatggc caatgggata
541 ctgaagggtc ctgccccatcaa cgtcaacat tctgtcacca agagcaagtt tgacaaccc
601 tatggctgcc gggagtcctt catagatggc atcaaacggg caacagatgt gatgattg
661 ggcaagggtgg cagtggtagc aggctatggt gatgtggca aggggtgtgc ccaggccctg
721 cggggttcgc gggcccgagt catcatcacc gagattgacc ccatcaatgc actgcaagct
781 gccatggagg gctacgaggt aaccacccatg gacgaggccct gtaaggaggg caacatctt
841 gtgaccacca cgggctgtgt tgatatcatc cttggcgcc actttgaaca gatgaaggat
901 gatgccatttgc tctgtacat tggacacttc gacgtggaga ttgatgtgaa gtggctcaat
961 gagaacgctg tggagaaggt gaacatcaag ccccaggtgg accgctactt gctaaagaat
1021 gggcacccca tcacatctgtt ggtcgaggcc cgtctggtca acctgggttgc tgccatggc
1081 caccccaacttc tcgtgtatgag caactccatc acaaaccagg tgatggcaca gattgagctg
1141 tggaccaccacc cagacaaata ccccggtgggg gttcacttcc tgcctaaagaa gctggatgag
1201 gcagtgccgtg aagcccacct gggcaagctg aacgtcaagc tgaccaagct gactgagaag
1261 caggctcaatg acctggccat gcccattaaac ggcccttca agcctgtatca ctaccgctac
1321 tgagagctgg gactgcccattt caccttccatg ctgccatccat tggccaggc cctaccttc
1381 gttccaaaga gcaaataatgtca ccaacttgc agttacttctt ccgggtttct gttccctccc
1441 cccggccctca tccacactgt gactggcttctt tctgtctttt gcttctgtcg taccctcat
1501 actgtccctt atgtggcata gagaacacagag aggtacctgg gaggcatcca caggggatct
1561 gagctcttgg aaggcttgag gctggatgtt gctgggtggc acaagcccat gcacccctact
1621 atccaaacttc tcgcttggc ttttagatccg tggcttggt ttacagacca atggtttctc
1681 ggcccaggac ccaagaagga gctctaccat gggggaaagga accactggag tttgaaggct
1741 cctgagagct tggctttttt actgtttggc tggctttaa acctcctaat actgagttgg
1801 ctacttttgg tccctatatttca acaagggtta ggacagatcca accaagaaag gacaagtgac
1861 agagactgaa aggggctgga aaaacaaata gggaaaggcc tgcacccatc ggtataattt
1921 atggttccata tcacacagctt ggtcacaaaa cagattaattt tggcttatgt ttatataactg
1981 tttagaatgt taacacagga aggtggataa aatacagttt ctatgtcc

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The nucleotide sequence (SEQ ID NO:187) having GenBank accession number M61831
(human) is:

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1 ctgaggccca gcccccttcg cccgtttcca tcacgagtgc cgccagcatg tctgacaaac
61 tgcctacaa agtcgcccac atcggcctgg ctgcctgggg acgcaaggcc ctggacatttgc
121 ctgagaacga gatgcccggc ctgatgcgtt tgccggagcg gtactcgcc tccaaaggccac
181 tgaagggcgc cccatcgatc ggctgcctgc acatgaccgt ggagacggcc gtcctcatgg
241 agaccctcgat caccctgggt gctgagggtgc agtggtccatg ctgcaacatc ttctccaccc
301 agaaccatgc ggcggctgcc attgccaagg ctggcattcc ggtgtatgcc tggaaggccg
361 aaacggacga ggagtacctg tggtgcatgg agcagaccct gtacttcaag gacggggccccc
421 tcaacatgtat tctggacgac gggggcgacc tcaccaacccatccatccacacc aagtaccggc
481 agcttctgccc aggcacccatc ggcacatctgc agggagaccac gactgggttc cacaaccc
541 acaagatgtat ggcacatgggg atcctcaagg tgcctgcacat caatgtcaat gactccgtca
601 ccaagagcaa gtttgcacac ctctatggct gccggagtc cctcatagat ggcacatcaagc

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661 gggccacaga tgtgatgatt gccggcaagg tagcggtggt agcaggctat ggtgatgtgg
 721 gcaagggctg tgcccaggcc ctgcggggtt tcggagcccc cgtcatcatc accgagatgg
 781 accccataa cgcaactgcag gctgcacatgg agggctatga ggtgaccacc atggatgagg
 841 cctgtcagga gggcaacatc tttgtcacca ccacaggctg tattgacatc atccttgcc
 901 gtaggtgcc agatgggggg tcccggggag tgagggagga gggcagagtt gggacagctt
 961 tctgtccctg acaatctccc acggcttgg gctgcctgac aggcactttg acaatgtgaa
 1021 ggatgatgcc atttgtgtta acattggaca ctttgacgtg gagatcgatg tcaagtggct
 1081 caacgagaac gccgtggaga aggtgaacat caagccgcag gtggaccgggt atcggttggaa
 1141 gaatgggcgc cgcacatcc tcgtggccga gggtcggctg gtcaacacctgg gttgtgccat
 1201 gggccacccc agcttcgtga tgagtaactc cttcaccaac caggtatgg cgccagatcga
 1261 gctgtggacc catccagaca agtaccccg tggggttcat ttccctgccc agaagctgga
 1321 tgaggcagtg gctgaagccc acctgggcaa gctgaatgtg aagttgacca agctaactga
 1381 gaagcaagcc cagtacctgg gcatgtcctg tgatggccccc ttcaagccgg atcactaccg
 1441 ctactgagag ccaggctcgc gtttccacctt ccagctgctg tccttgccc gggccaccc
 1501 ctccctccata agagctaattt gcaccaactt tggatgggt ttgtcagtgt ccccccattcga
 1561 ctctctgggg ctgatcaattt agttttggc ctctgctgca gccgtcatac tggccaaat
 1621 gtggcagcgg gaacagagta ccctttcaa gcccggcgtca tgatggaggt cccagccaca
 1681 gggaaaccatg agtcagtgg tcttggaaaca gctcaactaag tcagtccttc tttagcctgg
 1741 aagtcaatgt tggagtcaca aagcccatgt gttttggcat ctaggccttc acctggctcg
 1801 tggacttata cctgtgtgct tggtttacag gtccagtggt tcttcagccc atgacagatg
 1861 agaaggggct atattgaagg gcaaagagga actgttggtt gaattttccct gagagcctgg
 1921 cttagtgctg ggcccttcataa taaacccat tacaatgagg ttagtacttt tagtccctgt
 1981 ttacaggggg ttagaataga ctgttaaggg gcaactgaga aagaacagag aagtgacagc
 2041 taggggttga gaggggcccag aaaaacatga atgcaggcag atttcgtgaa atctgccacc
 2101 actttataaac cagatggttc ctccatcaccc cctgggtcaa aaagagaata atttggccata
 2161 taatgttaaa agaaagcagg aaggtggta aataaaaatc ttgggtgcctg g

The nucleotide sequence (SEQ ID NO:188) having GenBank accession number M61832 (human) is:

1 ggcccagccc ctttcgtcccg tttccatcac gagtgcgcgcc agcatgtctg acaaactgcc
 61 ctacaaatgc gccgacatcg gcctggctgc ctggggacgc aaggccctgg acattgctga
 121 gaacgagatg ccggggctga tgcgtatgcg ggagcggta tcggcctcca agccactgaa
 181 gggcgccgc atcgctggct gcctgcacat gaccgtggag acggccgtcc tcattgagac
 241 cctcgtcacc ctgggtgtcg aggtgcagtg gtccagctgc aacatcttct ccaccaggaa
 301 ccatgcccgc gtcgcattt ccaaggctgg cattccggc tatgcctgga agggcgaaac
 361 ggacgaggag tacctgtggt gcattggca gaccctgtac ttcaaggacg gggccctcaa
 421 catgattctg gacgacgggg gcgacccatc caacctcatc cacaccaatg accccgagct
 481 tctgcccaggc atccgaggca tctctgagga gaccacgact ggggtccaca acctctacaa
 541 gatgatggcc aatgggatcc tcaagggtgcc tgccatcaat gtcaatgact cctgcaccaa
 601 gagcaagttt gacaacctct atggctgcgg ggagtcctc atagatggca tcaagcgggc
 661 cacagatgtg atgattgcgg gcaaggtagc ggtgttagca ggctatggtg atgtgggcaaa
 721 gggctgtgcc caggccctgc ggggtttcg gggccgcgtc atcatcaccg agattgaccc
 781 catcaacgcg ctgcaggctg ccatggaggc ctatgagggt accaccatgg atgaggcctg
 841 tcaggaggc aacatcttgc tcaccaccac aggctgtatt gacatcatcc ttggccggca
 901 ctttgagcag atgaaggatg atgcattgt gtgtacatt ggacactttg acgtggagat
 961 cgatgtcaag tggctcaacg agaacgcgt ggagaagggt aacatcaagc cgcagggtgaa
 1021 ccggtatcgg ttgaagaatg ggcgcgcacatcctgctg gcccgggtc ggctggtaa
 1081 cttgggttgc gccatggcc accccagctt cgtatgagt aactccttca ccaaccaggt

1141 gatggcgcag atcgagctgt ggaccatcc agacaagtac cccgttgggg ttcatttcct
1201 gcccaagaag ctggatgagg cagtggctga agcccacctg ggcaagctga atgtgaagtt
1261 gaccaagcta actgagaagc aagcccagta cctgggcatg tcctgtgatg gccccttcaa
1321 gccggatcac taccgctact gagagccagg tctgcgtttc accctccagc tgctgtcctt
1381 gcccaggccc cacctctcct ccctaagagc taatggcacc aacttgtga ctggtttgc
1441 agtgtcccccc atcgactctc tggggctgat cacttagttt ttggcctctg ctgcagccgt
1501 catactgttc caaatgtggc agcgggaaca gagtaccctc ttcaagcccc ggtcatgatg
1561 gaggtcccaag ccacaggaa ccatgagctc agtggtcttg gaacagctca ctaagtca
1621 ctttccttag ccttggaaagcc agtagtggag tcacaaagcc catgtgtttt gccatctagg
1681 ctttcacctg gtctgtggac ttatacctgt gtgcttgggt tacaggtcca gtggttcttc
1741 agcccatgac agatgagaag gggctatatt gaagggcaaaa gaggaactgt tgtttgaatt
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1861 acttttagtc cctgtttac aggggttaga atagactgtt aaggggcaac tgagaaagaa
1921 cagagaagtg acagcttaggg gttgagaggg gccagaaaaa catgaatgca ggcagatttc
1981 gtgaaatctg ccaccacttt ataaccagat ggttccttca acaaccctgg gtcaaaaaga
2041 gaataatttg gcctataatg taaaaagaaa gcaggaagg gggt